I claim:

1. A proactive collision avoidance system, comprising:
   (a) a first paired set of a transmitter and a receiver, wherein:
      (1) the transmitter is effective for transmitting a radio signal, and
      (2) the receiver is effective for receiving a radio signal from a limited distance;
   (b) a means for preventing the receiver in the first paired set from receiving the radio signal transmitted by the transmitter in the first paired set while permitting the receiver in the first paired set to receive a radio signal transmitted by a transmitter in a second paired set; and
   (c) a means in electrical communication with the receiver in the first paired set for generating a perceptible signal upon receipt of the radio signal from the second paired set.

2. The proactive collision avoidance system recited in claim 1 wherein the means for preventing the receiver in the first paired set from receiving the radio signal is a switch.

3. The proactive collision avoidance system recited in claim 2 wherein the switch includes a timer.

4. The proactive collision avoidance system recited in claim 3 wherein the timer is set to alternate between the transmitter and the receiver of the first paired set every 0.5 to 2 seconds.

5. The proactive collision avoidance system recited in claim 1 wherein the means in electrical communication with the receiver in the first paired set for generating a perceptible signal upon receipt of the radio signal from the second paired set is a tone decoder and an LED display.

6. A proactive collision avoidance system, comprising:

(a) a first paired set of a transmitter and a receiver mounted onto a recreational vehicle, wherein:

(1) the transmitter is effective for transmitting a radio signal, and

(2) the receiver is effective for receiving a radio signal from a limited distance,

(b) a means for preventing the receiver in the first paired set from receiving the radio signal transmitted by the transmitter in the first paired set while permitting the receiver in the first paired set to receive a radio signal transmitted by a transmitter in a second paired set, and

(c) a means in electrical communication with the receiver for generating a perceptible signal upon receipt of the radio signal from the second paired set.

7. The proactive collision avoidance system recited in claim 6, wherein the recreational vehicle is a snowmobile.

8. The proactive collision avoidance system recited in claim 6 wherein the means for preventing the receiver in the first paired set from receiving the radio signal is a switch.

9. The proactive collision avoidance system recited in claim 8 wherein the switch includes a timer.

10. The proactive collision avoidance system recited in claim 9 wherein the timer is set to alternate between the transmitter and the receiver of the first paired set every 0.5 to 2 seconds.

11. The proactive collision avoidance system recited in claim 6 wherein the means in electrical communication with the receiver in the first paired set for generating a perceptible signal upon receipt of the radio signal from the second paired set is a tone decoder and an LED indicator.

12. A method, comprising:

(a) activating a first proactive collision avoidance system, mounted on a first recreational vehicle, comprising,

(1) a first paired set of a transmitter and a receiver, wherein:

(i) the transmitter is effective for transmitting a radio signal, and

(ii) the receiver is effective for receiving a radio signal from a limited distance,

(2) a means for preventing the receiver in the first paired set from receiving the radio signal transmitted by the transmitter in the first paired set while permitting the receiver in the first paired set to receive a radio signal transmitted by a transmitter in a second paired set, and

(3) a means in electrical communication with the receiver in the first paired set for generating a perceptible signal upon receipt of the radio signal from the second paired set;

(b) transmitting the radio signal from the transmitter of the first paired set; and

(c) receiving the radio signal from the transmitter of the second paired set installed on a second recreational vehicle, by the receiver of the first paired set, wherein the perceptible signal is generated by the first paired set so as to provide a warning that the second recreational vehicle is within the limited distance of the first recreational vehicle.

13. The method recited in claim 12, wherein the first recreational vehicle is a snowmobile and the second recreational vehicle is a snowmobile.

14. The method recited in claim 12 wherein the means for preventing the receiver in the first paired set from receiving the radio signal is a switch.

15. The method recited in claim 14 wherein the switch includes a timer.

16. The method recited in claim 15 wherein the timer is set to alternate between the transmitter and the receiver of the first paired set every 0.5 to 2 seconds.

17. The method recited in claim 12 wherein the means in electrical communication with the receiver in the first paired set for generating a perceptible signal upon receipt of the radio signal from the second paired set is a tone decoder and an LED indicator.